

103.5 - Nanomaterials: Composition

For related materials see [Table 301.1 Particle Size \(powder and solid forms\)](#)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Concentrations are expressed as mass fractions, in mg/kg (unless noted by an asterisk * for %).																
SRM	Description	Unit Size	Aluminum (Al)	Arsenic (As)	Barium (Ba)	Boron (B)	Calcium (Ca)	Carbon (C)	Cesium (Cs)	Chlorine (Cl)	Cobalt (Co)	Copper (Cu)	Dysprosium (Dy)	Europium (Eu)	Gadolinium (Gd)	Hafnium (Hf)
2483	Single-Wall Carbon Nanotubes (Raw Soot)	250 mg	723	(12.5)	119.0	(74.7)	(0.303*)	(94.6*)	192.7	0.2125*	0.963*	(186)	8.36	2.27	10.57	(0.38*)

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only

103.5 - Nanomaterials: Composition

For related materials see [Table 301.1 Particle Size \(powder and solid forms\)](#)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Lanthanum (La)
104.0

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only

103.5 - Nanomaterials: Composition

For related materials see [Table 301.1 Particle Size \(powder and solid forms\)](#)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Concentrations are expressed as mass fractions, in mg/kg (unless noted by an asterisk * for %).

SRM	Description	Unit Size	Magnesium (Mg)	Manganese (Mn)	Molybdenum (Mo)	Samarium (Sm)	Sodium (Na)	Thorium (Th)	Tungsten (W)	Vanadium (V)
2483	Single-Wall Carbon Nanotubes (Raw Soot)	250 mg	0.1150*	4.462	3.406*	13.09	0.1187	25.7	7.50	6.69

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only